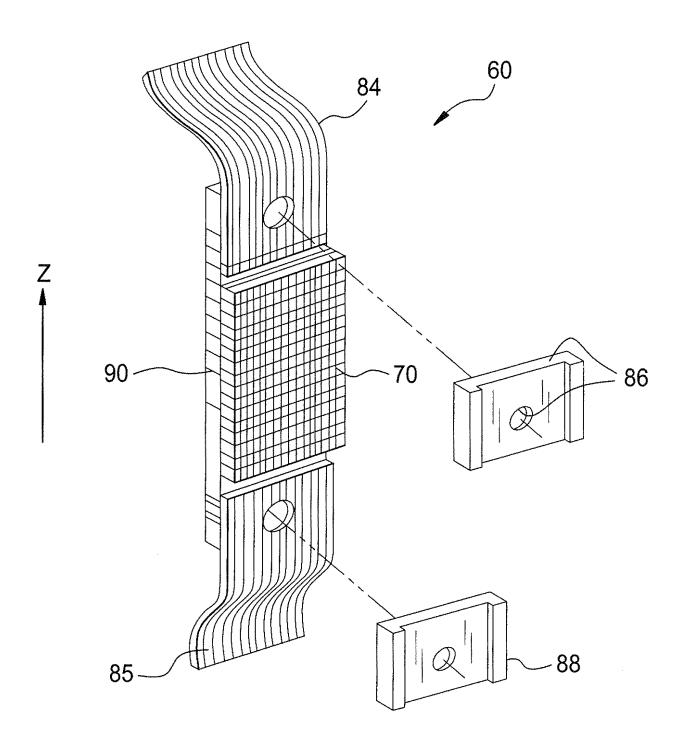


FIG. 4



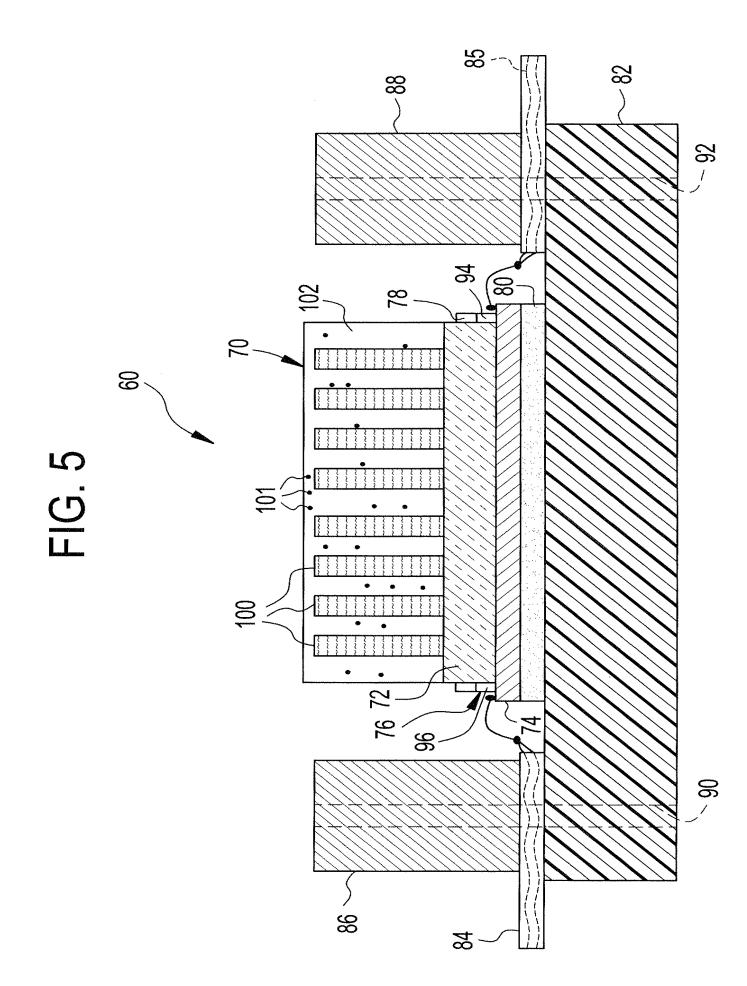


FIG. 6

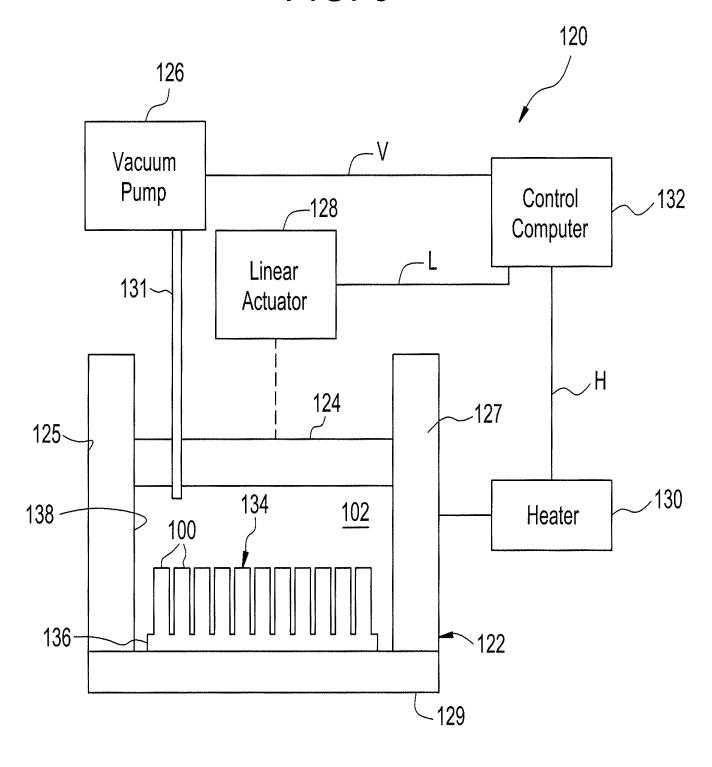


FIG. 7

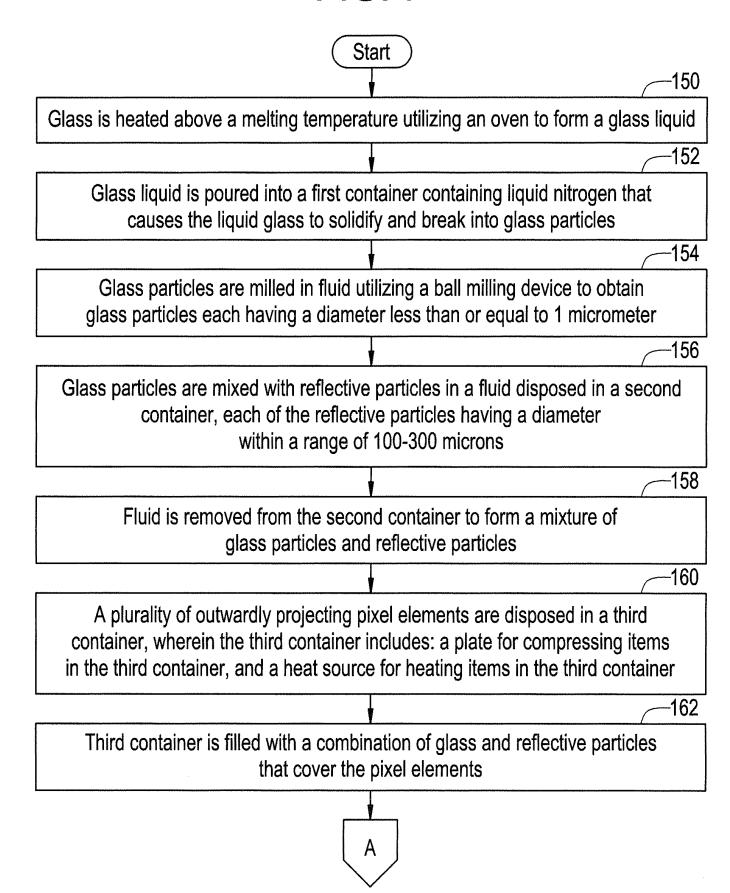


FIG. 8



-164

The plate is inserted in an opening of the third container and air is removed from an interior of the third container to form a vacuum therein having a predetermined vacuum level

-166

A pressure within the interior of the third container is increased to a predetermined pressure level by compressing the mixture utilizing the plate of the third container

168

The interior of the third container is heated between 300-400 degrees Celsius while the pressure in the third container is maintained at the predetermined pressure level to induce the glass and reflective particles to adhere to the pixel elements to form a scintillator array

170

The pressure within the interior of the third container is reduced to an ambient atmospheric pressure level and the temperature in the third container is reduced to an ambient room temperature

-172

A portion of the top surface of the scintillator array is removed utilizing a grinding machine such that about 2.86 mm of the solidified mixture of glass and reflective particles are disposed over the pixel elements

-174

A portion of the bottom surface of the scintillator array is removed utilizing a grinding machine to expose the bottom surface of each of the pixel elements

-176

A portion of the side surfaces of the scintillator array are removed utilizing a grinding machine to obtain a desired geometry of the scintillator array

